

HP StorageWorks

4000/6000/8000 Enterprise Virtual Array connectivity 5.0B for Sun Solaris release notes

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About this document

This section describes the content reflected in this document, including:

- [Release notes information](#)
- [Intended audience](#)

Release notes information

These release notes include the following topics:

- [New features](#)
- [EVA storage system](#)
- [EVA compatibility](#)
- [Operating constraints](#)
- [Storage System Scripting Utility for EVA](#)
- [Avoiding problem situations](#)

Intended audience

This document is intended for use by:

- Customers who purchased the HP StorageWorks 4000/6000/8000 Enterprise Virtual Array (EVA) and the Sun Solaris operating system
- HP customer service personnel responsible for installing and maintaining devices connected to the EVA storage system

Accessing future product updates

HP strongly recommends that customers sign up online using the Subscriber's choice web site:

<http://www.hp.com/go/e-updates>.

- Subscribing to this service provides you with e-mail updates on the latest product enhancements, newest versions of drivers, and firmware documentation updates as well as instant access to numerous other product resources.
- After signing up, you can quickly locate your products by selecting **Business support** and then **Storage** under Product Category.

New features

This release includes the following major enhancements:

- Support is provided for Veritas Storage Foundation Suite 3.5 and 4.0 on Sun Solaris 8 and Sun Solaris 9 with the Veritas Array Support Library (ASL). For more information on ASL, see the web site at <http://support.veritas.com>
- Support is provided for EVA4000/6000/8000 controller software 5.02.
- Ability to co-exist with other multipathing software on the same server.
- HP StorageWorks EVA connectivity for Sun Solaris contains only the Storage System Scripting Utility (SSSU). The HBA drivers have been removed.

EVA storage system

This document contains the most recent product information about operating the EVA on systems running Sun Solaris software.

EVA documentation

For a complete library of EVA and related documentation, see the following web sites:

<http://www.hp.com/go/eva4000>

<http://www.hp.com/go/eva6000>

<http://www.hp.com/go/eva8000>

Supported configurations

Supported configurations are described in the *Enterprise Virtual Array QuickSpecs*, available at the following web site:

<http://h18006.www1.hp.com/storage/arrayssystems.html>

The extended interoperability of the heterogeneous SAN allows you to mix several types of HP StorageWorks storage systems. The *HP StorageWorks SAN design reference guide* is a detailed guide for SAN configurations and is available at the following web site:

<http://h18004.www1.hp.com/products/storageworks/san/documentation.html>

EVA compatibility

Operating system specifications

Table 1 lists the operating system specifications.

**NOTE:**

Table 1 contains minimum-level operating system specifications at the time of the EVA4000/6000/8000 release. Some component versions may change due to revision. For the latest information, see the following web site: <http://h18006.www1.hp.com/storage/index.html>.

Table 1 Operating system specifications

OS version	Clustering	FCA (HBA)	Multipathing	Adapter driver minimum version
8, 9 SPARC Platform only	Sun Cluster 3.1	Sun SG-XPCI1FC-QF2	MPxIO	Sun SFS* 4.4 or later
		Sun SG-XPCI2FC-QF2		
	Veritas VCS 3.5, 4.0 and Veritas DBE/AC	Sun SG-XPCI1FC-QF2	VxVM/DMP	Sun SFS* 4.4 or later
		Sun SG-XPCI2FC-QF2		
		Emulex LP10000 FCA2684		6.02f
		Emulex LP10000DC FCA2684DC		
		QLogic QLA2340 FCA2214		4.18
		QLogic QLA2342 FCA2214DC		
		QLogic QLA2310F FCA2257P		
10 SPARC Platform only	None supported at this time	Sun SG-XPCI1FC-QF2	MPxIO	Sun SFS* 4.4 or later
		Sun SG-XPCI2FC-QF2		

* SFS — Sun StorEdge SAN Foundation Software

Table 2 lists the supported Sun Solaris platforms.

Table 2 Supported platforms

Platform	Model number
Sun Fire	V120
	V210
	V240
	V440
	V490
	V890
	280R
	V480
	V880
	V1280
	4800
	4810
	6800
	12K
	15K
	E2900
Enterprise	E4900
	E6900
	E220R
	E420R
	E250
	E450
	E3000
	E3500
	E4000
	E4500
	E5000
	E5500
	E6000
	E6500
	E10000

Required patches

This release of this Solution Software Kit has been qualified with Sun Solaris patches installed. Refer to the Secure Path for Sun Solaris specifications for the latest patch information at this web site:

<http://h18066.www1.hp.com/products/storageworks/enterprise/specification.html>



WARNING!

Do not neglect the required patches. Your system will not function properly without them.

Switch support

This release supports the Fibre Channel switches and firmware versions listed in the *HP StorageWorks SAN design reference guide*, which can be downloaded from the following web site:

<http://h18000.www1.hp.com/products/storageworks/san/documentation.html>



NOTE:

HP recommends that you do not mix switch firmware versions in your SAN. It is considered a best practice to uniformly upgrade all switches in the SAN.

Multiple-path support

Sun Solaris with EVA storage requires either Sun Solaris MPxIO or Veritas VxVM/DMP multipathing on each host to achieve multipathing capability. Sun Solaris MPxIO and Veritas VxVM/DMP multipathing requires two FCAs, each connected to a controller. Single-path mode is only supported when Veritas Volume Manager is used at this time.

Operating constraints

You can find information about operating constraints specific to the EVA and Command View EVA in their respective release notes.

Failover/failback

Failback preference settings for the HSV controllers are specific to the operating system. Refer to the HP StorageWorks Enterprise Virtual Array release notes for details.

Storage System Scripting Utility for EVA

The HP StorageWorks Command View EVA software includes a Storage System Scripting Utility (SSSU). You can download the HP StorageWorks Command View EVA with SSSU from the following HP web site:

<http://h18006.www1.hp.com/products/storage/software/cmdvieweva/index.html>

Avoiding problem situations

The following sections describe problems that may arise and their solutions.

Known problems

You can find information about problems specific to the EVA and Command View EVA and the solutions in their respective release notes.